

When the Schedule of Items does not contain an estimated quantity for clearing, and it is not noted on the plans as incidental, the work, when authorized, will be paid for under the provisions of Section 109.3 - Extra Work.

When the use of herbicide or tree paint is required to complete the work included under this section, it will not be paid for directly, but will be considered as included in the other contract pay items.

Grubbing, when required, will be measured and paid for as provided in Section 203 - Excavation and Embankment.

Payment for removal of trees and stumps, not defined as contract pay items under Section 201.01d, shall be considered incidental to the contract and no separate payment will be made.

Removal of unsound and unsightly branches and trimming branches of trees, as specified in Subsection 201.03 - General, will be paid for under the provisions of Sections 109.03 - Extra Work or 631 - Equipment Rental.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
201.11 Clearing	hectare [Acre]
201.12 Selective Clearing and Thinning [Acre]	hectare
201.23 Removing Single Tree Top Only	Each
201.24 Removing Stump	Each

SECTION 202 - REMOVING STRUCTURES AND OBSTRUCTIONS

202.01 Description This work shall consist of removing wholly or in part, and

satisfactory disposing of all designated buildings, structures, bituminous pavement, portland cement concrete pavement, manholes, catch basins, and other obstructions which are required to be removed, except for the obstructions to be removed and disposed of under other contract items. It shall also include salvaging designated materials.

202.02 Removing Buildings The Contractor shall remove and dispose of all buildings and foundations indicated.

Cavities remaining as a result of foundation or structure removal shall be filled to the level of the surrounding ground and, if within the limits of embankment or below the subgrade in excavation areas, shall be compacted in accordance with applicable embankment construction requirements.

Details of the ownership of the buildings and all the equipment, fixtures and materials therein, except equipment belonging to a Utility or equipment or fixtures specifically excepted and details relative to the date of availability of the property, will be stated in the Special Provision.

Written notice will be given the Contractor when any building becomes available before the date specified. On the above-specified date, or upon notice of availability, ownership of the buildings shall transfer from the State to the Contractor who then shall proceed with the work required under this section. The buildings shall not be used or occupied for any purpose while in the right-of-way and the buildings shall be removed as soon as possible after the date available, unless otherwise authorized.

If, during the negotiations between the Department and the owners of the building specified under this section, agreements are made with the owners to move, remove or raze the buildings, the Department reserves the right to remove any or all items from the contract upon written notice to the Contractor and no payment will be made for the items. Removal of debris, when necessary under such conditions, will be accomplished under Section 629 - Hand Labor and Section 631 - Equipment Rental.

All debris and unusable materials shall be removed to an approved dump or waste area and buried. No material shall be disposed of by burning. For a related provision, see Code of Maine Regulations 401.

202.03 Removing Existing Superstructure, Structural Concrete, Railings, Curbs, Sidewalks and Bridges Removing existing superstructures shall consist of removing and disposing of existing superstructure including fill, pavement, railing, and all other material on or over the superstructure unless otherwise specified. Removing existing structural concrete shall be to the limits designated on the plans and shall be accomplished without damage to the portion of the structure to remain.

Removing existing bridge shall be to the limits shown on the plans.

Existing concrete curbs, granite curbs, and concrete sidewalks shall be removed to the limits shown on the plans using a chipping hammer or pavement breaker of a size approved by the Resident or any other method approved by the Resident which will not damage the structural integrity of the concrete deck to remain.

Before removal of existing concrete curbs or sidewalks, the fascia removal line, as indicated on the plans, shall be saw cut to a depth of 25 mm [1 in] minimum. Care shall be taken not to damage any reinforcing steel that is to remain in the bridge.

When the material from an existing structure is to be retained by the Department, the Contractor shall carefully dismantle it, and all materials, except those that may be specified to be reused in the new structure, shall be loaded on trucks supplied by the Department or carefully stored by the Contractor within the right-of-way. The use of any portion of the salvaged material in connection with new or temporary construction shall not be anticipated by the Contractor. The dismantling of metal structures or railings shall, when especially provided, include the removal of all bolts and rivets necessary to disconnect the members and the matchmarking of these members for future reassembling.

When the material from an existing structure is designated to become the property of the Contractor, it shall be entirely removed and disposed of out of sight of the highway and beyond the limits of the right-of-way. Such material shall not be deposited in rivers, streams, or other bodies of water. If the material is to be wasted then it shall be disposed of at an approved dump or other approved location.

When practical, any suitable material removed shall be used in backfilling or for the formation of embankments and no additional allowances for payment will be made. Unsuitable or surplus material shall be disposed of in an approved waste area.

Blasting or other operations necessary for the removal of an existing structure or obstruction, which might damage new construction, shall be completed before placing the new work. If this is not feasible, the work shall be done only when approved and entirely at the Contractor's risk.

202.031 Removing Existing Bituminous Pavement and Concrete Wearing Surface from Bridges and Scarifying the Top of Deck The full depth of existing bituminous pavement, or concrete wearing surface shall be removed from curb to curb for the entire length of the bridge. Membrane waterproofing, if present, shall also be removed in a manner approved by the Resident.

Extreme care shall be taken to avoid damaging the top of the concrete deck to remain. All existing deck concrete damaged by the Contractor, which is not specified to be scarified or rehabilitated, shall be repaired. Such repair shall be at the expense of the Contractor.

When rehabilitation of the top of the deck is called for on the plans, the work will be done in accordance with Section 518 - Rehabilitation of Structural Concrete Bridge Decks.

When scarifying the top of the deck is called for, the specified depth of material shall be removed from curb to curb for the entire length of the bridge. Removal

shall be accomplished by an approved scarifying machine. Areas that cannot be removed by a scarifying machine, such as adjacent to curbs, drains, and armored joints, shall be removed by using a maximum 16 kg [35 lb] chipping hammer or pavement breaker.

202.04 Removing Portland Cement Concrete Pavement All Portland cement concrete pavement and Portland cement concrete base course designated for removal shall be broken into pieces suitable for use in construction or embankment or disposed of as directed by the Resident. When used in construction of embankments, the maximum size of any fragment shall not exceed the thickness of the layer being placed. The Contractor may, at their option and with approval, dispose of material in approved waste areas and replace with an equivalent volume of granular borrow at no cost to the State.

202.05 Removing Manholes or Catch Basins Where the manhole or catch basin is under a roadway of embankment, the sides shall be removed to a depth of at least 600 mm [2 ft] below subgrade. When the plans do not provide for the complete removal of pipe(s) connecting to the catch basin or manhole, said pipe: (1) if to be connected to new pipe, shall not be disturbed, or (2) if no connection is called for, the pipe shall be tightly plugged with mortared masonry. Floors of the structures shall be broken up or removed to permit drainage. The open cavity shall be filled with earth and thoroughly compacted.

202.06 Removing Bituminous Concrete Pavement The equipment for removing the bituminous pavement shall be capable of scarifying and loading the bituminous pavement without including any gravel, except that adhering to the pavement. The remaining gravel shall be graded to drain as approved by the Resident.

202.061 Removing Pavement Surface The equipment for removing the bituminous surface shall be a power operated planing machine or grinder capable of removing bituminous concrete pavement to the required depth. The equipment shall be capable of accurately establishing profile grades by referencing either from the existing pavement or from an independent grade control and shall have a

positive means for controlling cross slope elevations.

The Contractor shall locate and remove all objects in the pavement through the work area that would be detrimental to the planing or grinding machine.

The finished milled surface will be inspected before being accepted, and any deviations in the profile exceeding 12 mm [$\frac{1}{2}$ in] under a 5 meter [16 ft] string line or straightedge placed parallel to the centerline will be corrected. Any deviations in the cross-slope that exceed 10 mm [$\frac{1}{2}$ in] under a 3 meter [10 ft] stringline or straightedge placed transversely to centerline will be corrected. All corrections will be made with approved methods and materials. Any areas that require corrective measures will be subject to the same acceptance tolerances. Excess material that becomes bonded to the milled surface will be removed to the Resident's satisfaction before the area is accepted.

202.062 Pavement Butt Joints The equipment for removing the bituminous surface shall be a cold milling machine or a power operated planer capable of removing the existing pavement to the required depth, width, grade, and slope.

The milled surface shall have a uniform texture and provide acceptable rideability for vehicles. Should resurfacing be delayed, or the resulting milled surface is unsatisfactory for any reason, bituminous leveling course or temporary pavement may be required. The Contractor shall clean the milled surface and surrounding area of all loose material prior to use by traffic.

202.07 Method of Measurement Removing buildings, removing existing superstructures, and removing existing bridges will each be measured by the lump sum. Removing Portland cement concrete pavement, removing bituminous concrete pavement, pavement butt joints, and removing pavement surface will be measured by the square meter [square yard] with no deductions made for areas occupied by existing catch basins and manholes. Removing existing structural concrete will be measured either by the cubic meter [cubic yard] in place before work starts on the particular portion of the structure to be removed or by the lump sum as specified. Remove existing railings will be measured by the meter [foot]

in place along the grade and line of the railing from outside to outside of end posts or rail projections, whichever is greater.

The removing of existing bituminous pavement, removing existing concrete wearing surface, removing of existing concrete curbs and sidewalks from bridges, and scarifying of the concrete deck will each be measured for payment as one lump sum unit, complete, and accepted.

The removing of existing manholes and catch basins will be measured by the unit.

202.08 Basis of Payment The accepted quantity of removing building, removing existing superstructure, and removing existing bridge will be paid for at the contract lump sum price, which price shall be full compensation for removing and disposing of the obstructions and building foundations down to an elevation matching the surrounding ground as directed by the Resident. Removing Portland cement concrete pavement will be paid for at the contract unit price per square meter [square yard] which price will be full compensation for removing and disposing of pavement and pavement reinforcement. Material for backfilling holes resulting from removal of obstructions will be measured and paid for as provided in Section 203 - Excavation and Embankments. The quantity of structural concrete removed will be paid for, either at the contract unit price per cubic meter [cubic yard] or at the contract lump sum price which price shall include disposal of the concrete. The quantity of railing removed will be paid for at the respective contract unit price per meter [foot] of railing removed and disposed of.

Removing and scarifying existing concrete, removing existing concrete wearing surface, and removing existing bituminous pavement from bridges will be paid for at the contract lump sum price for the respective contract pay item involved. Removing membrane waterproofing, if present on the existing deck, shall be incidental to the removing of bituminous pavement.

The containment and disposal of pollutants during the removal of materials from an existing bridge will not be paid for directly but shall be incidental to the related

contract Pay Item. These payment provisions shall prevail over those of Section 656 - Temporary Soil Erosion and Water Pollution Control, for this work only. The payment for each contract pay item will be full compensation for furnishing all materials, labor, equipment for all formwork, and for all other incidentals necessary to complete the work.

Removing existing manholes and catch basins will be paid for at the contract unit bid price each, which price shall include all work, materials, labor, and equipment. New pipe as required by the plans will be paid for separately under the appropriate pay item. Where new pipe is to be connected to existing pipe, the Contractor shall furnish and install, at their expense, pipe necessary to replace any existing pipe damaged beyond the limits of pipe removal shown on the plans.

Removing bituminous concrete pavement will be paid for at the contract unit price for the number of square meters [square yards] removed as required by the plans or as ordered by the Resident, which price will be full compensation for removing and disposing of the bituminous pavement and re-grading of the remaining material.

The accepted quantity of pavement butt joints will be paid for at the contract unit price per square meter [square yard] which price will be full compensation for removing and salvaging the bituminous material. Any bituminous leveling material or temporary pavement required will not be measured for payment directly, but will be incidental to the related contract Pay Items.

The accepted quantity of removing pavement surface will be paid for at the contract unit price per square meter [square yard]. This price will be full compensation for removing the material to the required depth, profile and cross slope, complete cleaning of the milled surface suitable for paving, and for salvaging, hauling, and stockpiling excess material to an approved designated area. Locating and removing objects, and additional milling and paving required to correct deviations will not be paid for separately but will be included in the contract unit price per square meter [square yard].

When the pay item calls for material to be retained by the Department, payment shall include the salvage of these materials, custody, preservation, and storage on the right-of-way and disposal as provided herein. When the proposal does not include pay items for removal of structures and obstructions as provided in this Section, such work shall be incidental to the various contract pay items and no direct payment will be made except that removal of foundations and Portland cement concrete pavement will be paid as provided in Section 203 - Excavation and Embankment.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
202.08 Removing Building No. ____	Lump Sum
202.09 Removing Existing Superstructure - Retained by Department	Lump Sum
202.10 Removing Existing Superstructure - Property of Contractor	Lump Sum
202.11 Removing Portland Cement Concrete [Square Yard] Pavement	Square Meter
202.12 Removing Existing Structural Concrete [Cubic Yard]	Cubic Meter
202.121 Removing Existing Concrete	Lump Sum
202.123 Scarifying Concrete Deck - Top mm [inch]	Lump Sum
202.127 Removing of Existing Bituminous Pavement Sum	Lump
202.128 Removing of Existing Concrete Curbs & Sidewalks	Lump Sum
202.13 Removing Existing Railings - [Foot] Retained by Department	Meter
202.14 Removed Existing Railings - [Foot]	Meter

	Property of Contractor	
202.15	Removing Existing Manhole or Catch Basin	Each
202.17	Removing Existing Structural Concrete	Lump
Sum		
202.19	Removing Existing Bridge	Lump Sum
202.20	Removing Bituminous Concrete Pavement	Square Meter
[Square Yard]		
202.202	Removing Pavement Surface	Square Meter
[Square Yard]		
202.203	Pavement Butt Joints	Square Meter
[Square Yard]		
202.30	Removing Existing Concrete Wearing	Lump
Sum	Surface	

SECTION 203 - EXCAVATION AND EMBANKMENT

203.01 Description This work shall consist of removing, hauling, disposing and compacting, if required, of all material not being removed under some other item, encountered for the construction of the project in accordance with the specifications and in reasonably close conformity with the lines, grades, thickness and typical cross sections shown on the plans or established. Excavation, except structural excavation, will be classified as common excavation, rock excavation, unclassified excavation, as hereafter defined. Material not classified as excavation that is required to construct embankments, backfill trenches and holes shall be classified as borrow.

a. Common Excavation shall consist of removing all material encountered in grading the project within the limits of construction and in driveways, which is not otherwise classified and paid for. Common excavation shall include the removing and disposing of boulders, solid mortared stone masonry, and concrete masonry when each is less than 2 m³ [2 yd³] in volume and all soft and disintegrated rock which can be removed with ordinary excavating machinery.